

GRACE AdiaCal™

User Manual

AdiaCal Set Up

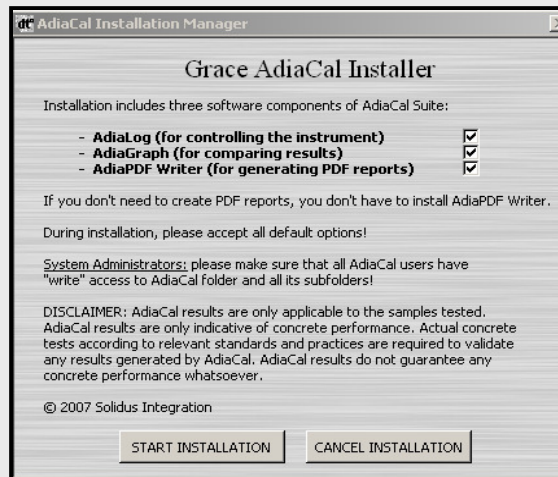
AdiaLog 1.0

AdiaGraph 1.0

GRACE

Initial Set Up

Install the software on your computer. Double-click on the AdiaCalSetup icon on the Installation CD to launch the installation wizard.



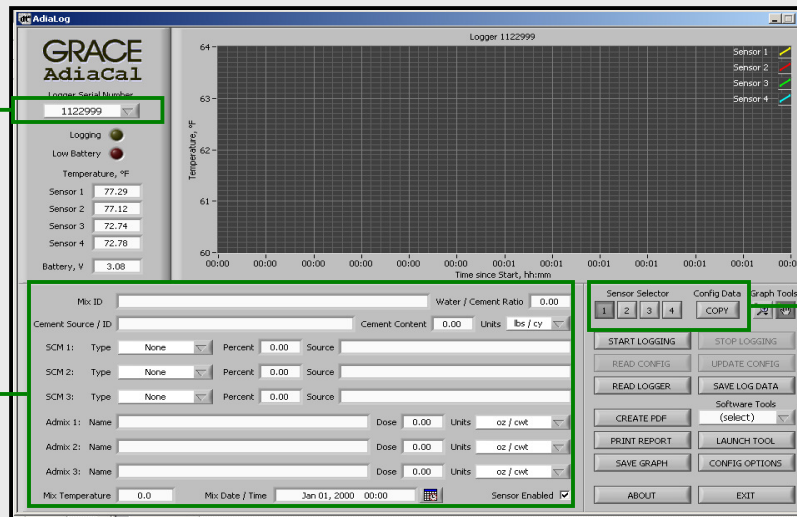
Follow the instructions on the screen. Once the installation is finished, connect your AdiaCal unit to your computer using the USB Cable (provided).

Launch the AdiaLog software. The program can be launched through the Start menu on the bottom left of your screen (Start > Programs > Grace AdiaCal > AdiaLog), or by clicking on the shortcut button located on your desktop. When you open the program for the first time, you will be prompted to enter a username.

You are now ready to use your AdiaCal.

Capturing Mix information.

Use this drop down menu to select the unit you want to work with if you connect several AdiaCal units to your computer either directly or through a USB hub. Each unit is identified by its serial number located next to the USB port on the center left side of your AdiaCal.



Pick a sensor on the **Sensor Selector** button row. The numbers 1 through 4 correspond to the numbers next to the cylinder slots on your AdiaCal unit.

You can copy the information entered for one sensor to all other sensors by pressing the **COPY** button. This is to avoid entering the same or similar information several times.

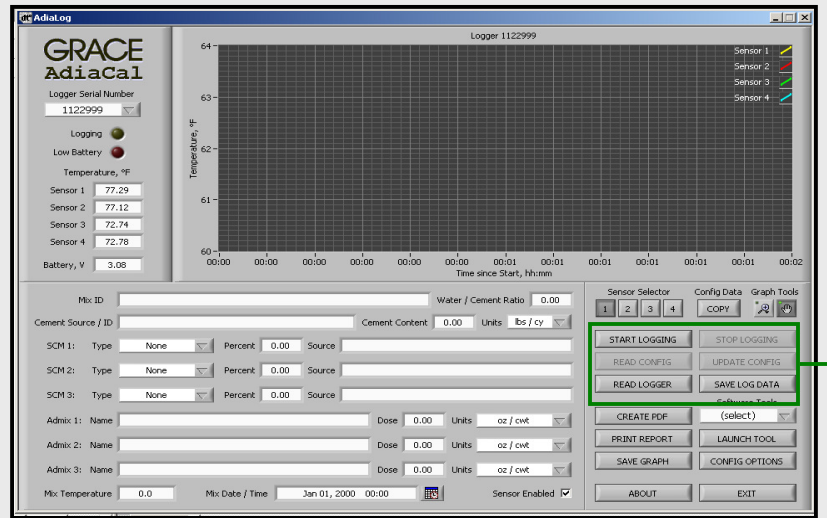
Enter your Mix data (Mix ID, Cement Source, etc.) for the Mix to be placed in the corresponding cylinder slot. The Mix composition data can always be edited and updated at a later time.

You can use drop down menus to pick items from a list, e.g. Fly Ash, Slag, etc. in the SCM Type box, units of measure, etc.

If you use less than 4 sensors for any particular test, you can uncheck the **Sensor Enabled** box for the sensors that are not being used.

Make sure you enter the correct **Mix Date/Time** at which the Mix was done to be able to compare setting times for different mixes.

Logging and Retrieving test data.



Press **START LOGGING** to start to record temperature data. We recommend that you start recording data at least 30 minutes before you place the first concrete cylinder in the AdiaCal.

You can now disconnect your computer. If you do so, **EXIT** the AdiaLog program. Data will be collected and stored in your AdiaCal's internal memory for retrieval when you connect your computer again at a later time.

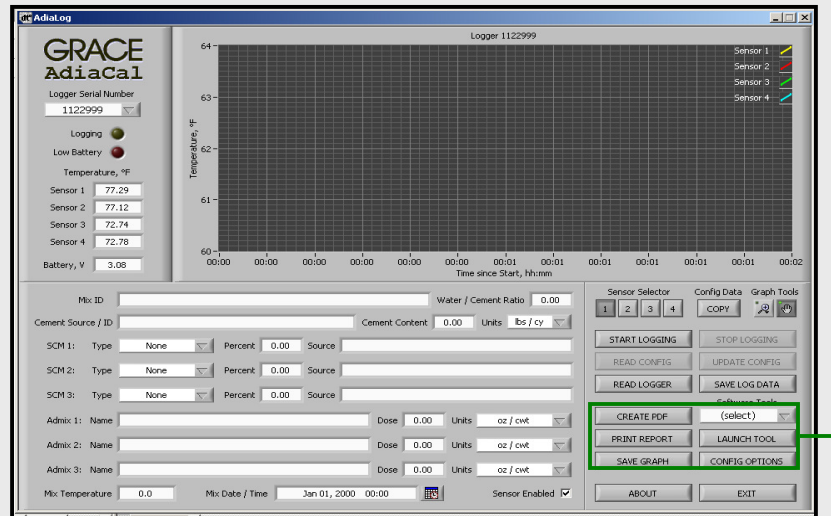
Press **READ LOGGER** to retrieve data at any time. Note: if the AdiaCal has been disconnected from your computer since starting to log data, you have to first reconnect the AdiaCal and then relaunch the AdiaLog software to be able to retrieve data.

Press **SAVE LOG DATA** to save the current data on your computer.

Press **READ CONFIG** if you want to retrieve Mix Information only. You can then edit the information for each sensor. When finished editing Mix Information, press the **UPDATE CONFIG** button to save the new Mix Information.

Press **STOP LOGGING** once you finished your test.

Working with data.



Create a report in the standard .pdf format by pressing **CREATE PDF**.

Print a report by pressing **PRINT REPORT**. Your printer must be connected to your computer.

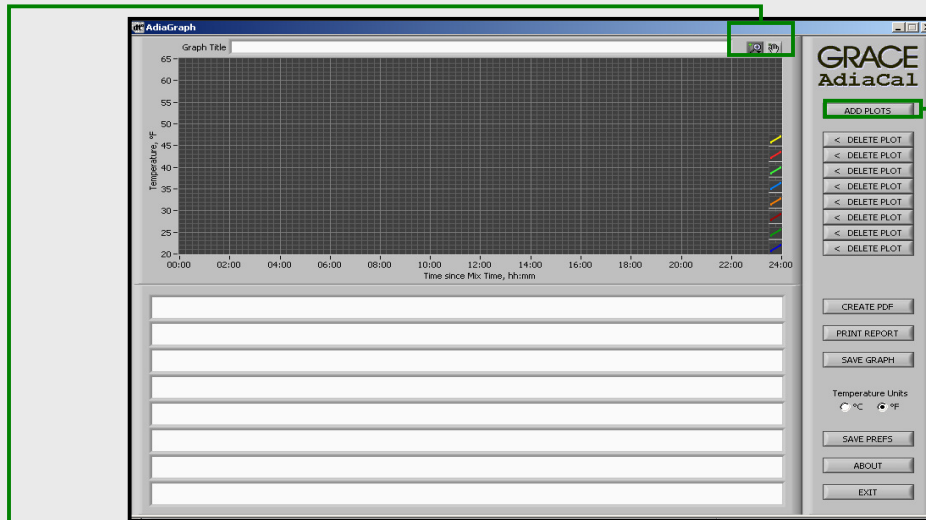
You can save the graph only portion of your screen as a picture by pressing **SAVE GRAPH**. This picture can later be copied and pasted into any standard office application, such as Word, Excel, PowerPoint or similar.

CONFIG OPTIONS enables you to switch from °F to °C, or to change your user name.

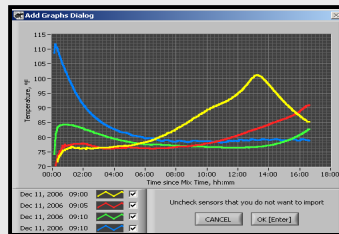
Different Software tools are available for the AdiaCal. You can access them by pressing the arrow under the label "Software Tools". Select the appropriate tool and press **LAUNCH TOOL**. Your AdiaCal comes with the pre-installed AdiaGraph tool.

Using AdiaGraph 1.0 to compare data from different tests.

Launch the AdiaGraph tool by selecting it in Software Tools and pressing the **LAUNCH TOOL** button. A new window will appear.

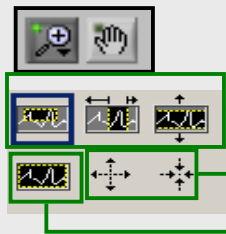


Press **ADD PLOTS** to add graphs from any AdiaCal file stored on your computer. Browse to the folder where the file is stored, select it and press **OK**. A new window will appear with a preview of the file you selected.



In the new window, you can select or deselect the curves you want to import by checking or unchecking the boxes in the legend.

Press **ADD PLOTS** again to add more graphs from other files (up to a total of eight graphs).



Use the Graph Tools buttons located on the upper right to zoom in/out or to move the graph.

Select a section of the graph on which to zoom in.

Zoom in/out on a certain focal point.

Undo zoom and get back to the initial 'full graph' view.